



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Cholla Production, Llc  
7851 S Elati St Ste 201  
Littleton CO 80120  
ATTN: Bill Goff

**Denison #2-10**  
**10-11-23, Trego, Ks**  
Job Ticket: 44611 **DST#: 5**  
Test Start: 2011.09.14 @ 00:15:20

## GENERAL INFORMATION:

Formation: **KC "F,G"**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 01:54:20  
Time Test Ended: 06:57:50  
Interval: **3590.00 ft (KB) To 3645.00 ft (KB) (TVD)**  
Total Depth: 3956.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Reference Elevations: 2288.00 ft (KB)  
2283.00 ft (CF)  
KB to GR/CF: 5.00 ft  
Test Type: Conventional Straddle  
Tester: Brett Dickinson  
Unit No: 47

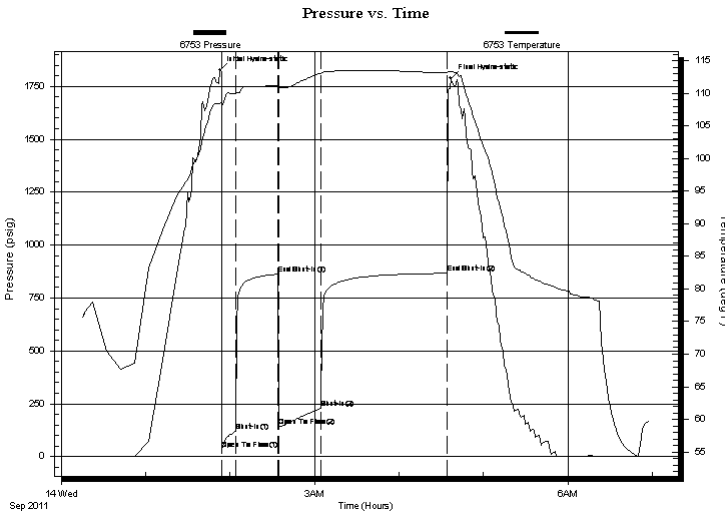
## Serial #: 6753

## Outside

Press @ Run Depth: 228.36 psig @ 3594.00 ft (KB) Capacity: 8000.00 psig  
Start Date: 2011.09.14 End Date: 2011.09.14 Last Calib.: 2011.09.14  
Start Time: 00:15:25 End Time: 06:57:49 Time On Btm: 2011.09.14 @ 01:52:50  
Time Off Btm: 2011.09.14 @ 04:36:50

TEST COMMENT: IF-BOB in 9min  
ISI-No blow  
FF-BOB in 11 1/2min  
FSI-No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1825.49	108.52	Initial Hydro-static
2	37.48	107.98	Open To Flow (1)
11	118.32	109.93	Shut-In(1)
41	862.75	111.18	End Shut-In(1)
42	143.38	110.95	Open To Flow (2)
72	228.36	113.02	Shut-In(2)
161	866.79	113.13	End Shut-In(2)
164	1787.52	113.32	Final Hydro-static

## Recovery

## Gas Rates

Length (ft)	Description	Volume (bbl)
120.00	MCW 65%W 35%M	0.59
120.00	SGOMCW 5%G 5%O 50%W 40%M	1.65
120.00	SGOWCM 10%G 5%O 5%W 80%M	1.68
75.00	SGWOCM 5%G 20%O 5%W 70%M	1.05

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

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Time Test Ended: 06:57:50

Test Type: Conventional Straddle

Tester: Brett Dickinson

Unit No: 47

**Interval: 3590.00 ft (KB) To 3645.00 ft (KB) (TVD)**

Reference Elevations: 2288.00 ft (KB)

Total Depth: 3956.00 ft (KB) (TVD)

2283.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 5.00 ft

**Serial #: 8319 Below (Straddle)**

Press@RunDepth: psig @ 3650.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2011.09.14

End Date: 2011.09.14

Last Calib.: 2011.09.14

Start Time: 00:14:44

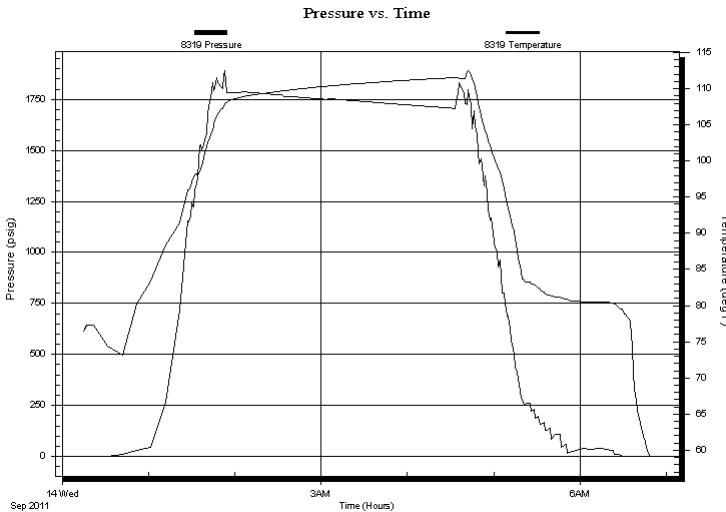
End Time: 06:49:08

Time On Btm:

Time Off Btm:

**TEST COMMENT:** IF-BOB in 9min  
ISI-No blow  
FF-BOB in 11 1/2min  
FSI-No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

## Recovery

Length (ft)	Description	Volume (bbl)
120.00	MCW 65%W 35%M	0.59
120.00	SGOMCW 5%G 5%O 50%W 40%M	1.65
120.00	SGOWCM 10%G 5%O 5%W 80%M	1.68
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## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



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## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

33 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

78000 ppm

Viscosity: 61.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 6.80 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbbl
120.00	MCW 65%W 35%M	0.590
120.00	SGOMCW 5%G 5%O 50%W 40%M	1.647
120.00	SGOWCM 10%G 5%O 5%W 80%M	1.683
75.00	SGWOCM 5%G 20%O 5%W 70%M	1.052

Total Length: 435.00 ft

Total Volume: 4.972 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: Sampler Data 800ml G 1000mlO 1200mlW 225psi

### Pressure vs. Time

